

VARSIY NATATORS OPEN WITH DECISIVE VICTORY

SWIMMERS DEFEAT AMHERST AT HOME POOL, SCORE 42-35

Flanders Breaks Old Record For
Breast Stroke, Cutting 4-5
Seconds From Time

AMHERST CAPTAIN STARS

Individual Stars Of Amherst
Defeated By A Well
Balanced Team

Taking first and second places in four events, the M.I.T. swimming team bested Amherst, 42-35, at the University Club pool, Saturday afternoon, before an interested gallery. Only in the medley and in the relay, did the Lord Jeff natators demonstrate any great superiority to the Beavers, and these events they won only by small margins.

Predictions credited to the Institute coach before the meet, gave the Engineers the distinct edge, and they were fulfilled to the satisfaction of everyone, when the well-balanced Technology team gave way completely to Amherst in only two events.

Flanders Sets New Record

In the 200-yard breast stroke, Flanders of the Engineers ran away from his teammate and captain, Jimmy Turner, to set a new record for the event, which cannot be accepted because of the absence of official timers, but the fact remains that he did break the old record for the event by four-fifths of a second, bringing the time down to 2 min. 50 3-5 sec. Turner came in directly following Flanders, and their winning brought the Beaver score up another eight points.

Coming first and last were the medley and relay, with strong teams from Amherst taking the six and eight points which went with each event. Second came the 220-yard dash, with Henning and Kron entered from the Institute. Henning took second, but the next Amherst man was too strong for Kron, and he lost his chance for the third place.

Heintz Wins 50-Yard Dash

Heintz and Callan were entered in the 50-yard dash for the Beavers, and they took first and second easily, giving Fauver of Amherst the odd point. Lykes and Brandi swept the diving event as easily, and carried eight more points over on the Beaver column. The performance of Lykes was particularly good, giving the spectators a taste of really clever diving.

In the 440-yard dash, Vaughan was the only Institute scorer, taking second place for three points. The time for this event was quite fast, and the Institute men had to strain to the utmost to stay with the entries from Amherst.

May Gets Another First

May and Bencks resumed the first and
(Continued on page three)

Dorm Men Smash Dozen Windows with Snowballs

Zealous Dormitory men changed the immediate territory around the new dorms into a veritable No Man's Land yesterday afternoon when a group of approximately forty climbed to the roof and began to throw snowballs at anyone who ventured within a snowball's throw of the buildings. The battle lasted over four hours with many men kept involuntary prisoners inside the dorms while others were forced to wait at a safe distance until the firing subsided.

A few persons suffered slight injuries and only the very poor marksmanship of those involved kept the situation from becoming serious. About twelve windows were broken and it is not yet known how their cost will be met. It is generally the case that if any damage occurs and the men responsible are not known, the loss is assessed equally among all the residents. Whether this will be done in this case was impossible to determine.

ALUMNI WILL HOLD ITS ANNUAL DINNER AT STATLER HOTEL

Doctor Van de Graaff To Stage
Boston Demonstration Of
New Generator

WILL MEET FEBRUARY 6TH

The annual meeting and dinner of the Alumni Association of Technology will be held at the Hotel Statler on February 6, it was announced today. Preceding the dinner, which will begin at 6:45 o'clock, President and Mrs. Karl T. Compton and officials of the Institute and the Alumni Association will hold a reception for the Alumni and their guests. The speakers at the dinner will be President Compton, who will discuss the educational policy of Technology, and Dr. Allan W. Rowe '01, who will speak on undergraduate activities.

Other features of the evening will be motion pictures of the Institute and Alumni activities, which are being arranged by Bursar Horace S. Ford. The first demonstration in Boston of the 1,500,000-volt electric generator developed by Dr. Robert J. Van de Graaff will be given during the dinner, and there will be other scientific exhibits illustrating the most recent advances in research. Following the dinner there will be dancing from 10 until 12 o'clock.

The annual dinner is in charge of a committee composed of Henry B. Shepard '16, chairman, Raymond S. Stevens '17, John E. Burchard '23, Dr. Allan W. Rowe '01, and Hamilton L. Wood '17.

Bogus Fraternity Member Arrested By Local Chapter

Thief Posing As Vanderbilt
Delta Tau Delta Man
Put In Custody

Pending the arrival of a warrant from Philadelphia, a man giving his name as Patrick L. Coleman, and claiming to be a member of the old Vanderbilt Chapter of Delta Tau Delta, was arrested Thursday evening by the Brookline police on a charge of being an imposter, preferred against him by the Tech Chapter of the fraternity, and held for investigation.

After a communication from the Tufts chapter advising that they take precautions against the loss of any of their property, Robert B. Semple '32, president of the chapter, got in touch with the fraternity headquarters and was informed by them that Coleman had never been initiated into the fraternity and that there was a warrant out for him for petty larceny from the University of Pennsylvania chapter. A complaint was then made to the Brookline police and he was arrested as an imposter for posing as a member of the fraternity to which he had never been initiated.

Wearing Stolen Clothing

When arrested, both his suit and overcoat bore name tags of other men, and his fraternity pin was from the University of Oklahoma. He was held in jail in lieu of one thousand dollars bail, which he could not furnish.

There are said to be complaints against him from Delta chapters at the University of Georgia, Georgia Tech, Stevens Tech, Brown University, Northwestern University, Lake Forest, and the University of California, and Coleman is said to have admitted under police questioning operations at many of these colleges. It is believed that such charges as exist against him in Massachusetts will be dropped and that he will be taken to Philadelphia to answer charges there.

January T.E.N. Issue Final Act of Volume XII on Stands Today

Articles on "Human Engineering"
and "Opportunities In
Russia?" Featured

As the final contribution of the retiring Managing Board, the January issue of the *Tech Engineering News* makes its bow on the stands today. Henceforth it will be under the supervision of the new Managing Board announced elsewhere in THE TECH.

The lead article features an interview with Johnson O'Connor on the subject of Human Engineering. As the story states, some eight years ago, Mr. O'Connor, himself a trained engineer, began devising a set of tests which should serve to differentiate men with engineering ability from men with no special fitness for engineering. An interpretation of the interesting results derived thereof is given.

Other Articles

"Opportunities in Russia?" is the provocative title of the second article by Clarence T. Starr, with the accompanying illustrations. Also included are "Recent Uses of Catalysis," by Professor H. B. Underwood of the department of Chemistry, "The Electric Horse," by E. Harold Anderson '32, "Color Photography," by H. Parker of the Kodak Research Laboratories and the newly instituted Engineering Digest page.

The recently adopted Bodoni style type is again in evidence and a number of very illustrative halftones are interspersed throughout the issue. The cover plate features the striking lighting effect obtained by exterior illumination of one of our modern skyscrapers.

HUSTON, BUCHANAN AND FINK TO MANAGE T. E. N.

WILL LEAD AFFAIRS OF
T. E. N. DURING 1932-33



WILBUR B. HUSTON '33

SUMMERS RETAINS PRO SQUASH TITLE IN FINAL MATCHES

Keeps National Squash Crown
By Winning Three Games
From Martella

OPPONENT LEADS ONCE

Retaining his title as National Professional Squash Racquets Champion, Coach Jack Summers of the Institute's squash teams defended his crown against D. Daniel Martella of Wilmington, Delaware. The match was held in New York in the Downtown Athletic Club courts on Friday, January 8.

Scores for the three games of the finals were 15-8, 15-8, and 15-11, all in favor of Summers. The Technology coach consistently outplayed the Wilmington professional, although in the second game of the final match his opponent started out strongly and for a short period threatened the winner's score.

Summers' Playing Superior

Throughout the games, both semifinals as well as finals, Coach Summers displayed excellent control, allowing his opponent very few points on his own errors and running up his own score heavily on long-distance full-length shots. His opponent, probably confused by Summers' superior skill and greater speed, frequently lost points by hitting into the telltale.

COMMITTEE RECOMMEND SPECIAL SPACE FOR PARKING FACULTY AND STAFF CARS

Professor Arthur C. Hardy, Secretary of the Faculty Club, announces that the Committee on Parking Facilities at the Institute, Professor A. F. Holmes, Chairman, presented a report of its findings to the Executive Committee of the Club at a meeting held on December 22. The essential feature of the report is the recommendation that certain conveniently located areas be set aside for the parking of cars of Faculty members, and that these cars be identified by stickers on the windshields.

This plan was evolved with the full cooperation of Major Smith, who will issue the necessary stickers, keep a record of the registration numbers of the cars of Faculty members, and police the restricted areas at the beginning of each term and as often thereafter as may be necessary.

The personnel of the other active committees of the Faculty Club, appointed

ANNOUNCE BOARD FOR COMING YEAR AT ANNUAL DINNER

Professor Frederick K. Morris
Addresses Banquet On
World Evolution

ENTIRE STAFF PRESENT

Wilbur B. Huston '33 was elected General Manager of the *Tech Engineering News* for the coming year, Donald G. Fink '33 was made Editor-in-Chief and Charles E. Buchanan '33 became Business Manager of the publication at the twelfth annual T. E. N. banquet held last Friday evening in Walker Memorial.

Clarence M. Chase, Jr. '32 acted as toastmaster and introduced Professor Frederick K. Morris of the department of Geology. Professor Morris gave an entertaining and instructive talk on the theory of the evolution of the world from its very inception. Dean Harold E. Lobdell also addressed the gathering which consisted of the entire personnel of T. E. N. and a number of guests.

Huston, the new General Manager, comes from Seattle, Washington, where he attended the Lakeside High School. In 1929 he won the distinction of being the "brightest boy in the land," by winning the Edison Scholarship and came to Technology in the fall of that year. As a freshman he was section leader of his group. He has represented his class on the Institute Committee for the past three years and was named by that committee as a member of the Curriculum Committee. This past year he acted as chairman of the freshman Rules Committee, and secretary of the Physical Society. He is a member of the Quadrangle Club and of Phi Kappa Sigma Fraternity.

Fink, the Editor-in-Chief, hails from Englewood, N. J., and prepared for Technology at the Englewood High School, where he was Editor-in-Chief of his school paper. He is a member of Phi Mu Delta Fraternity and Course VI-C.

Buchanan, the newly-elected Business Manager, has his home in Arlington, Mass., and attended Arlington High School before coming to the Institute. Prior to his election to the office of business manager he was treasurer of the organization. He is a member of Course XV and also of Phi Mu Delta Fraternity.

In addition to the above elections the following were announced:

Charles E. Fulkerson '33, Publications Manager; Joseph L. Seligman '34, Associate Editor; Edmund D. Lucas '34, Associate Editor; Charles T. Stewart '34, Managing Editor; Frank M. Haritz '34,

(Continued on page three)

CLEMENT PRIZE COMPETITION OFFERS \$500 PRIZE FOR THESIS ON U. S. CONSTITUTION

Students in the Senior and Junior classes who are interested in prizes and scholarships may compete for the Percival Wood Clement Prize. This prize, established by the will of the late Governor Percival Wood Clement of Rutland, Vermont, is given for the best Thesis in Support of the Principles of the Constitution of the United States of America, as established March 4, A.D. 1789, and the first ten Amendments thereto.

The prize is open to undergraduate men and women students of the Junior and Senior classes of many New England colleges in curricula leading to the first academic degree. In accordance with the provisions of the will, the prize is to be awarded for the years 1931-1932, 1932-1933, and 1933-1934 by a board of judges consisting of the presidents of Bowdoin, Wesleyan, and Tufts.

Essays should be of not over three thousand words in length, and competitors are advised to select some portion of the entire field to which they may do adequate justice within this limit. All essays for consideration in 1931-1932 must be submitted to the chairman of the committee, President Kenneth C. N. Sills, Bowdoin College, Brunswick, Maine, not later than April 1, 1932.

The prize for the year 1931-1932 will be five hundred dollars, payment to be made by the State Trust Company of Rutland, Vermont, which will report to each of the colleges above mentioned, the name and college of the successful competitor. Further information about the prize may be obtained from Dean Harold E. Lobdell '17.

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of M. I. T.

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In Charge of this Issue: W. Gregg Fry, '34

OPTIONAL MILITARY SCIENCE?

THE motion made at the last meeting of the Institute Committee that Military Science courses be made optional with the student is apparently the high point of Technology's part in what seems to be a more or less widespread movement among college students to secure such an optional arrangement in regard to R.O.T.C. Whether or not this activity to remove the compulsory first and second-year Military Training is in any way connected with the Student Peace Movement that is attracting considerable student interest at certain schools, we are not qualified to say. However, the visible signs of work by the groups that would have Military Training either made optional or abolished altogether are not lacking, especially in a national way. The group of students at the Institute seem very enthusiastic about their cause, and a national committee with the same aims sends vast quantities of literature to this office.

Even those who are opposed to the present system of Compulsory Military Training during the first two years at the Institute will admit that the courses have some value. Those directing the policies of the Institute during its first years recognized these values and placed the two-year compulsory course in the curriculum. The discipline, the feeling that comes over one when he is working as a part of a large group, and the actual training that would be an advantage to one in case of a declaration of war are all of definite value to the college man. The advocates of change say that this training should be optional with the student; those in sympathy with the present arrangement maintain that this constitutes a necessary part of a man's education.

Allowing for the moment that those in favor of optional R.O.T.C. have some arguments in their favor, it seems that their group has been a bit hasty in making statements and has, we hope unintentionally, been guilty of exaggeration. That a majority of the freshman class is opposed to the R.O.T.C. training it now receives appears to be a strong statement, and that the greater portion of the upperclassmen regard those courses as so much lost time, as we have heard one advocate of the new plan state, seems to be untrue, if we are to judge by the answers we have received from those personally questioned. If, however, a petition bearing four hundred names can be obtained, the movement may be considered to have some student support, but even that number is only a small portion of the entire student body.

The question of whether Military Training is to be compulsory as at present, or optional, as advocates of the new system would have it, depends on action by the Corporation and not by the Institute Committee or by the Faculty. What action will be taken when the matter comes up for discussion at the next meeting of the Institute Committee, ten days from now, one cannot say. At least student opinion on the matter will be reflected, but because of the very nature of the proposal even this may not be a majority opinion. In the meanwhile, progress of the movement will be watched with interest.

"ALL DRESSED UP—"

CATERING to public tastes through conventionalities is one thing; forcing the public to like what it gets is another. Some years ago, in an attempt to create a new style of humorous publication, the *New Yorker* was produced, and so novel was its content, so distinct from prevalent tendencies, that the public literally "lapped it up." Since that time practically every magazine has tried to ape the *New Yorker*, usually unsuccessfully, particularly among college publications. Therefore we need not be excessively alarmed or excessively pleased that *Voo Doo* has chosen to follow suit. The fact remains that *Voo Doo's* publishers *pro tem* would have us believe that the magazine has "gone sophist."

We do, however, feel that *Voo Doo* has accomplished something tangible, something for which it may be remembered. It has not altered its content to the extent that it may not be recognized, but it is distinct from any previous number. As is stated in its editorial, the January issue is a test issue, designed to discover student reaction to the *New Yorker* style as *Voo Doo* understands it. The public, as it were, may feel free to express its likes and dislikes.

The January *Voo Doo* has not been published entirely by the Board; outside men have contributed the majority of the work. Whether or not this style may be continued in the future depends upon the chance that *Voo Doo* persuade these men, or men with similar talents, to join its staff. The magazine has forsaken much of its originality, but has made a concentrated effort to appeal to present public tastes through assuming the exterior appearances of another. There is some doubt that it will be considered a better magazine, but the publication deserves congratulations for its progressiveness and the will to improve whether the effect will be asting or not.

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Head of Radio Chain Summarizes Technical Advances of Past Year

Wire Transmission Improved. Better Microphone Developed

Just past its eleventh year, broadcasting has far outgrown its infancy, according to M. H. Aylesworth, N. B. C. president, in a summary of the past year's advances in radio broadcasting. Of particular interest to men of Technology are the technical improvements during the past year.

"Five important engineering strides have been taken during the past year: station synchronization, improved wire transmission of radio programs, reflector microphones, the study of trans-oceanic or long-range broadcast conditions, and the study of television.

Tonal Qualities Bettered

"The improved wire transmission of network programs is a matter which is aiding in the attainment of the goal of perfect tonal fidelity. It is a well-known fact that network stations are connected by wire lines which differ from the usual telephone lines mainly in their ability to handle a wider range of frequencies or tone values.

"The parabolic microphone, sometimes known as the reflector microphone, is another important engineering development. Essentially, the parabolic microphone differs from the usual type in that the sound enters the latter directly from the source of sound, whereas in the former the sound is focussed on the microphone by means of a parabolic reflector.

"The National Broadcasting Company has made a three-year study of trans-oceanic broadcasting. In the interests of international broadcasting as a whole, N. B. C. engineers have gone into trans-oceanic broadcast conditions in collaboration with overseas stations, weather bureaus and observatories. The multitudinous reports made have served for the preparation of graphs and charts."

Mr. Aylesworth continues that on the basis of these charts, broadcast conditions can be forecast, and the most propitious time for international programs can be selected. He states that conditions may be forecast with 90 per cent accuracy two weeks in advance.

Television Not Yet Ready

N. B. C. believes that television is not ready to be presented to the general public as yet, and has spent the past year in perfecting equipment and studying conditions in an effort to bring television to the present standards of radio before presenting it generally.

Television researches are being made at present from several points in New York, for the purpose of determining the effect of steel buildings on the waves. These broadcasts have no entertainment values, and are not intended for television experimenters at large.

The Purdue University women are now given the opportunity to attend a "charm school," where they learn such important things as how to hold a cigarette gracefully, and how to avoid spilling cocktails on their best party gowns.

OPEN FORUM

Prom Again

To the Editor of THE TECH:

May I take exception to your editorial that I, in my recent letter, inferred or insinuated, in any way, shape, or manner, that any member of any class at the Institute harbored the belief that the actions of the Junior Prom Committee were off color.

I simply intended to differentiate between affairs, such as Senior Week, where all financial responsibility rests on the committee in charge and the Junior Promenade, where all financial responsibility falls on the class treasury. The very thought, that any member of our Junior Class would be suspicious of a committee elected by them, is preposterous, and it never entered my head that the plain simple statement could have been misinterpreted, as it evidently was.

I still seek to convey the idea, that the Junior Promenade is a class function and that without unified cooperation, in this — a year of depression — the Junior Class treasury will be practically stripped and the Prom will have started its weary journey down the path that leads to

(Continued on page three)

Lydia Lee - Luncheon

Opposite Aeronautical Laboratory
Unusually well balanced DINNERS
Served for you 45c 55c 65c
11:00 A.M. to 3:00 P.M.

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE

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The Course in Architecture is of five years' duration, and leads to the degree of Bachelor in Architecture. Five-Year Cooperative Courses in Electrical Engineering and Railroad Operation leading to the degrees of Bachelor of Science and Master of Science are also offered.

Graduate Courses leading to the degrees of Master of Science, Master in Architecture, Doctor of Philosophy, Doctor of Science, and Doctor of Public Health are offered. The Courses leading to the degree of Master of Science include Cooperative Courses in Chemical Engineering Practice and Fuel and Gas Engineering.

The better high schools and other preparatory schools in the United States offer adequate preparation for the required entrance examinations given by the College Entrance Examination Board in June, or by the Institute in September.

Graduates of colleges or of scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding approximately to at least one year's work at the Institute, are admitted to such advanced standing as is warranted by their previous training, and are given credit for our required subjects, including the entrance requirements so far as they have been satisfactorily completed.

The Summer Session, extending from June to September includes most of the subjects given during the academic year, and in addition special courses for teachers.

Any of the following publications will be sent free upon request:

Catalogue for the Academic Year (which includes the admission requirements).

Summer Session Catalogue.

Graduate Study and Research.

Correspondence Should Be Addressed To

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

TERRIER SKATERS EVEN SCORE WITH TECH BY 4-1 WIN

Beavers Do Best Work Of The Season But Defence Work Weak

FRENCH IS OUTSTANDING

Technology's hockey team was defeated in a hard, fast game by the Boston University hockey squad 4-1 to even up the series between the two teams. The game, played last Friday night at the Boston Arena, was a fast, very contested match, outstanding on account of the work of Russ Wight, the Terrier goalie.

Two and a half periods saw two evenly matched teams fight back and forth bitterly to enable one team or the other to forge ahead. B. U. finally succeeded, with three forwards getting through the Technology defense to each score on solo attempts. The Beaver goal was the last of the game.

French Scores Two
Dick French was the outstanding forward of the game, with his two solo goals, one in the first period and one in the last. The other Terrier goals were scored by Weaver and Harrington. The lone Technology score was the result of a pileup in front of the B. U. goal with Tommy Regan pushing it in for the point.

Good passing and teamwork by both forward lines gave plenty of work to the defenses. Here was where the Institute team fell down, for the Terrier players got through Peterson and Hayes continually to get nice shots at the Beaver net. The defense work of Russ Wight was perfect, for he pushed back shot after shot that should have been good in anybody's game.

Both Teams Start Rushing
Play started off with a rush by both teams, with the forward lines giving each of the goalies plenty of work. French and Clem stayed down inside the Beaver blue line in an effort to obtain the puck. Each missed several fairly clear shots. Tommy Regan, Fahey, and Cochrane tried hard to make the Terrier goal in repeated shots.

Milliken, the Beaver goalie, after several nice stops of shots by French and Clem, was rushed by the pair who had succeeded in passing both Hayes and Peterson. French got clear and made the shot, which went into the net for the first B. U. tally.

Wight Makes Nice Stops
Immediately the Beavers tried a comeback, with Russ Wight somehow getting in the way of the puck to prevent scores. Regan just missed sinking one after a pass from Joe Fahey. Then the referees entered the game for the first time to send two players from each team off the ice.

For several minutes after the second period started, the men were still serving time in the penalty box. After Peterson had returned he succeeded in getting past the Terrier defense men to get a clear shot, but again Wight was there to stop the shot. Later in the period B. U. had two men in the penalty box, but good all-around defense work prevented the mass attack of Technology players from scoring.

B. U. Scores Three
The last period spelled disaster to the Beaver players. The combination passing of Fahey and Cochrane early in the period failed to produce a score. Both teams were playing with only one defense man and the other four players up. In one of the spurts, Dick French got the puck away from Regan, and after eluding Hayes, sent a nice shot to the Beaver net which resulted in the second score of the game.

Two more Terrier scores followed at intervals of three minutes each, from the sticks of Harrington and Weafer. Then a minute later came another massed Technology attack, with Regan shooting at the Terrier goal. Wight barely made a save, but the puck remained in front of the goal. Wight was on the ice to the left side of the goal, while Regan pushed the puck nicely over him to make the only Technology tally. Both teams tried for scores after this goal, but neither was able to score.

A summary of the game follows:
M. I. T., Boston University
Regan (Capt.), l.w. c. Bender
Cochrane, c. c. Bender
Fahey, r.w. l.w. French
Peterson, l.d. r.d., Walker
Hayes, r.d. l.d., Weafer
Milliken, g. g. Wight
Other M. I. T. Players: Silverman, Marvin, Hrones, Johnson, Eagan, Reynolds, Finnerty, Whiston, Thompson.
Other B. U. Players: Rice, Harrington, Slade, MacDonald.
Score: B. U. 4, M. I. T. 1.
Goals: First period: B. U. French, 4:09; Second period: No scoring; Third period: B. U. French, 9:55; B. U. Harrington, 12:55; B. U. Weafer, 15:06; Tech, Regan, 16:12.
Penalties: Peterson, Bender, Weafer, Hayes.
Referees: Foley and Ayers. Time: Three 20m. periods.

BEAVER BRAWN

Jack Summers came through as is his wont to retain for another season his Pro Championship title. He outplayed his opponent, Danny Martella, winning the match with ease, capturing all three of the games in short order. Jack ran into little trouble in any of his matches with the exception of his quarter-final match with Frank Ward, who came very near to putting Mr. Summers out of the picture.

Much satisfaction has been registered and a certain degree of rejoicing in the Beaver swimming team victory over Amherst. Flanders did a nice job of making also-rans out of all competitors in his flashy record-setting swim in the 220 breast-stroke. The two relays were the only cause for suffering, both being won by Amherst men, although there was competition to be had from the Institute team.

Hockey and wrestling added their share to the deficit column of the Engineer sports by losing their matches over the weekend. The hockey game was hard to lose for the Technology team played the best it has this season, and yet came out on the short end of a 4-1 decision. The offence was hot, but, to carry out the wording, the defense was the well-known not-so-hot. The Terrier goalie, Russ Wight by name, was the whole cause of the Engineer defeat. He was entirely too conscientious in fulfilling his duty of stopping Beaver goals to suit the very small handful of Engineer supporters. Peterson pulled the reverse of his usual tactics at the game, for he ceased getting continual penalties, but had ambitious Terriers serving hard labor for ruffling his hair.

Wrestlers and frosh hoopsters continued their casual way in losing decisively to divers opponents. At least the mat men have a trip to Yale to show for their efforts. Vassalotti and Koller were both sufficiently recovered to wrestle, but neither sufficiently to win.

F. K.

Gym Team Holds First Scheduled Intra-Team Meet

Initial Meet of Series Held Under Intercollegiate Conditions

Holding the first of a series of intra-team meets conducted under regular inter-collegiate conditions, the members of the freshman and varsity gym teams held a meet in the Walker Gym. This meet was held Saturday, January 9, in the afternoon on the top floor of Walker Memorial.

Two men won two first places each in the events, one won a first and a second, and one won two seconds. The first event, the rope climb, was won by Ericson, followed by Hudson and Flaitz.

Lawsine won the side horse, with Getting and Bissell following him in second and third places, respectively. The parallel bar event was taken by Ericson, and Treadwell came second, followed by Lewis.

On the flying rings Lawsine took first place. Treadwell made second and Corson took third. Abbott won the tumbling, with Flaitze and Treadwell following. Getting won the high bar, followed by Bissell and Abbott.

Two first places were taken by Ericson and Lawsine. Ericson scored highest in the rope climb and parallel bar; Lawsine took first score on the side horse and flying rings. Getting was able to make a first place on the high bar and second place on the side horse, while Abbott took not only first place in tumbling but also third place on the high bar. Bissell and Flaitz took a second and a third place each, Bissell on the high bar and side horse, and Flaitz in tumbling and rope climb. Treadwell took two seconds and a third, in parallel bar, rings, and tumbling. The meet was judged by Coach Hans Neudorf and Stuart R. Knapp G.

Arrangements have been made, according to Manager Calvin H. Mohr '33, for all candidates for the 1932 Olympic gymnastic team who live in the vicinity of Boston to practise on Thursday evenings in the Walker Gym. This was made through the Institute, and Mr. E. H. Forsell, trainer of the 1932 Olympic gym team.

All candidates living in or near Boston trying out for the American representative team for the Olympic Games will be privileged every Thursday to use the gym and its apparatus, and they will be allowed to use them from about 5 o'clock in the afternoon on. The tryouts for the American team will be held in June.

OPEN FORUM

(Continued from page two)

oblivion, where so many other Technology activities have previously transcended.

Hoping that I have made myself clear, at this time, and that the editor will perceive my view and his misinterpretation, I sign, wishing the Junior Class the best of success in their major class function!

(Signed) JOHN A. FINNERTY, '32.

Freshman Cagers Lose Third Game To Dean Academy

Prep School Quintet Triumphs By 56-31 Score In One-Sided Contest

Losing their third game in four starts, the Technology freshman basketball team were swamped by a strong Dean Academy five in a game played at Dean Saturday afternoon. The final score was 56-31.

Outclassed by a wide margin in the first half, the yearlings made somewhat of a comeback in the final periods, almost holding the opponents even. The game started out with Dean taking a commanding lead, holding a 31-15 margin at half time. The Beaver first-year men took on a new lease of life after the intermission, managing to accumulate eighteen points while the winners chalked up twenty-five, and bringing the final score to 56-31.

Peterson and Fitzgibbon, the men who have been outstanding in every game so far, once more were the losers' stars. The freshmen started with the following lineup: Rich and Bailey, forwards; Fitzgibbon, center; and Roffe and Peterson, guards. A number of substitutes also saw action.

So far the record of the freshman team has been anything but impressive. They opened their season by edging Wentworth Academy 29-26, and since then they have dropped three successive games: to the Rhode Island State Freshmen 44-29, to the Harvard Freshmen 35-24, and now to Dean 56-31.

Coach Allen M. Zollars '32 is still experimenting with his lineup. Fitzgibbon at center and Peterson and Roffe at guards have been fixtures thus far, but the forwards have been a continuous problem. Doucette, Rich, Bailey, and Sarvis have been the most frequent performers. Sarvis was the star of the first game, but an injury has kept him inactive since then. Szezechowicz, a good offensive player but rather weak defensively, has been tried at every position.

Next Saturday the yearlings will face the Brown first-year quintet, in a preliminary to the Brown-M. I. T. varsity contest.

The atlas of the Great Elector of Brandenburg, Germany, said to be the largest book in the world, has been restored to its former beauty. The book is 66 inches high, 39 inches wide and weighs 275 pounds.

INSTITUTE NATATORS OPEN WITH 42-35 WIN

(Continued from page one)

second place-capturing orgy, and ran away from the two opponents. As only two men from each team are allowed to enter, scoring an opponent right off the board is impossible, but it is certain that if Technology had had some of the other men on the team entered as the third man in events that they favored, a different result would have ensued.

In the 100-yard dash, the Amherst captain, leading man for his team in scoring and ability, took the first position at the start and held it all the way. Henning and Heintz of the Institute team followed Captain Strohmeier to the finish and took the remaining four points. Henning had also scored in the 220-yard dash, in which he took second place.

First Win Under Untersee

This is the first home meet that the team has won in a long time, as well as the first one under Max Untersee, the new coach. The team seems now to be in top form, though, and there appears to be every indication that it will continue to function in this same way throughout the rest of the season. Few colds have afflicted the men so far this winter, and physically every team member seems to be in first-class shape.

The Amherst meet was obviously won on the strength of a well-balanced team, for in all but two or three cases, a man was not permitted to enter more than one event. Putting competition on such a basis has been made possible only through the large amount of good material which has been available at the pool this fall.

Next Wednesday, the team will meet Harvard for a final and acid test of its power. Harvard had a strong team last year, and always has been able to meet any opposition offered, most of the time successfully.

The summary of the Amherst meet is as follows:

M. I. T. Amherst	
Medley: Won by Amherst; Myron, Vestfall, Strohmeier.	0 6
220-Yard Dash: Bixler (A), Henning (T), Bartlett (A).	3 6
50-Yard Dash: Heintz (T), Callan (T), Pauver (A).	8 1
Diving: Lykes (T), Brandi (T), Heber (A).	8 1
440-Yard Dash: Bixler (A), Vaughan (T), Vestfall (A).	3 6
150-Yard Backstroke: May (T), Bencks (T), Caughey (A).	8 1
200-Yard Breast-stroke: Flanders (T), Turner (T), Myron (A).	8 1
100-Yard Dash: Strohmeier (A), Henning (T), Heintz (T).	5 4
Relay: Won by Amherst; Pauver, Vestfall, Bixler, and Strohmeier.	0 8
Team totals.	42 35

HUSTON, BUCHANAN AND FINK ELECTED

(Continued from page one)

Treasurer; Robert E. Ebenbach '34, Circulation Manager; Walter F. Read '34, Advertising Manager; J. R. McCaa '32, Contributing Editor; George P. Bentley '33, Contributing Editor; Raymond L. Brown '33, Contributing Editor; Herman G. Protze '32, Art Editor; Frank H. Moore '34, News Editor; William R. Hazeltine '34, Features Editor, and James B. Wadhams '34, Publicity Manager.

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YALE OUT-WRESTLES TECHNOLOGY TEAMS

Varsity and Freshmen Lose In Two Decisive Meets

Both the varsity and the freshman wrestling teams were defeated by decisive scores by Yale in the wrestling meet held there Saturday, January 9. The Engineers lost the varsity event by 21 1-2 to 8 1-2; the freshmen lost by 28-10.

Isbister and Klein won the only matches for the Institute, and they won them by time advantages. Koller, of the unlimited class, was thrown by Captain Rotan of Yale by means of a bar-lock hold.

In the varsity, Bigwood of Yale 118-lb. class, threw Emery in four minutes, one second. In the 126-lb. class, Ripin of the Institute lost to Gropper by a time advantage of nine minutes, 49 seconds. Phillips of Yale won by a time advantage in the 135-lb. class of 9 minutes, 35 seconds over Judd.

Isbister Wins

Isbister defeated McGauley in the 145-lb. class with no time advantage. Captain Vassalotti of the Institute lost to Haase of Yale in the 155-lb. class by a time advantage of five minutes, one second. After two overtime bouts in the 165-lb. class, Pool of Technology drew with Knox of Yale.

Klein defeated Triest of Yale in the 175-lb. division by a time advantage of 6 minutes, 16 seconds. Koller lost in the unlimited class to Rotan of Yale by a throw in 6 minutes, 21 seconds.

Because of a fire in the photographer's office, a large number of pictures for "Yackety-Yack," University of North Carolina annual, must be retaken.

To MEN only!

NO NEED to park a "Girls Keep Out" at the top of this advertisement. They'll shy off quick enough when they find out what it's about.

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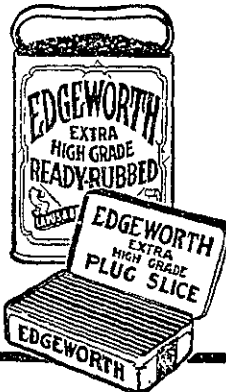
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OFFICIAL BULLETINS OF GENERAL INTEREST

Physics and Physical Chemistry

Harvard University and
Massachusetts Institute of Technology

Monday, January 11, 4.45 p.m., Cruft Lecture Room

Physical Colloquium:

1. "Some High Frequency Sound Experiments." Professor G. W. Pierce.
2. "Predissociation in the CaH Band Spectrum." Professor E. C. Kemble.

Tea served at 4.15 o'clock in Library of New Physics Building.

Tuesday, January 12, 4.30 p.m., Room 4-231

Harvard-Technology Seminar.

"Statistical Mechanics and the Vapor Pressure Constants of Gases, III." Dr. T. E. Sterne.

Wednesday, January 13, 4.00 p.m., Room 4-402

Theoretical Seminar for Graduate Students.

Mr. J. P. Vinti will talk on Atomic Wave Functions.

C·A·L·E·N·D·A·R

Monday, January 11

- 10.00 a.m. — T.C.A. meeting in Faculty Room of Walker Memorial.
5.00 p.m. — Banjo Club rehearsal in East Lounge of Walker Memorial.
5.00 p.m. — Simmons Faculty dinner in Faculty Dining Room of Walker Memorial.

Tuesday, January 12

- 5.00 p.m. — Pi Delta Epsilon meeting in West Lounge of Walker Memorial.
6.00 p.m. — Instrumental Club rehearsal in East Lounge of Walker Memorial.
7.00 p.m. — Society of Military Engineers smoker in Grill Room of Walker Memorial.
8.00 p.m. — Armenian Club play rehearsal in West Lounge of Walker Memorial.

Wednesday, January 13

- 6.15 p.m. — Alpha Chi Sigma supper meeting in Faculty Dining Room of Walker Memorial.
7.30 p.m. — Tech Merrimakers orchestra rehearsal in East Lounge of Walker Memorial.

Infirmary List

Brooks, C. L. '35
Burke, James '34
Chase, C. M. '32
Debes, C. N. '35
Reiter, Philip '32
Weber, Carl (employee)

Undergraduate Notices

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS

Attention is called to the recently posted announcement of Fellowships and Graduate Scholarships available for 1932-33 and to the regulation that applications must be filed with the Secretary of the Committee on Graduate Courses and

BOAT CLUB TO GIVE AN INFORMAL DANCE

To "Put Crew On The Map" and Help Freshman Crew

For the first time in the history of its short career, the Tech Boat Club has announced completed plans for an informal dance. The affair, which will be held on the first Saturday after the opening of the second term, will be open to all, at a price.

Primarily, the intentions of the organization in presenting the dance are expressed rather well in the words of a member of the committee in charge who said, "It's being done to put crew on the map a little more at the Institute. The Boat Club wants to produce a bit more interest in crew."

Extra Money To Freshmen

Any profits which may be gained from the enterprise will be placed in a fund for the freshman crew. Should sufficient money be raised and put in the fund, it will be used by the Boat Club to send the freshmen to Poughkeepsie for the races next spring.

The committee managing the dance is composed of John Lawrence '32, chairman, Allan L. Dunning, a Graduate Student in Naval Architecture and assistant coach of crew, William A. Kirkpatrick '32, Albert W. Dunning '32, and Henry D. Humphreys '34.

Scholarships, Room 3-105, not later than March first, in order to receive consideration at the March meeting of the Committee. This applies to renewals of grants as well as new applications. Belated applications will be placed on a waiting list and will be considered subsequently only if funds are available.

MORTAR AND BALL

Showing actual fighting at the front films taken during the World War will be shown at a Mortar and Ball smoker Wednesday evening. Pictures taken at Coast Artillery Summer Camp will also be exhibited.

All members of the R.O.T.C. are invited to attend. Doughnuts and cider will be served.

Book Reviews

THE SCIENTIFIC OUTLOOK

Bertrand Russell

Norton Company, New York

Even with the midyear grind rapidly approaching, and leisure time at a greater premium than ever, Bertrand Russell's latest contribution to scientific literature, *The Scientific Outlook*, deserves considerable attention from Institute men. Because the outlook of science is such a vital matter to most of us, the conclusions reached by Mr. Russell, who is an internationally-known scientist and philosopher, are of deep significance.

Science as we know it today means two things: pure knowledge, and the power of application of pure knowledge; that is, technique. In logical sequence, the reader of *The Scientific Outlook* obtains a full impression of the scope of scientific knowledge, its history and outstanding characteristics; the scope of scientific technique, in a fine review of outstanding scientific fields; and lastly, but most to the point, Mr. Russell's ideas concerning the part science is to play in the future. These are somewhat astonishing. He conceives an organized world-state, with a consequent abolition of national sentiment and war. He conceives a permanent governing class, which will maintain close control over the lives of the general public. Reproduction will become scientific breeding of the human race. No little attention is paid to the education of future generations, and to the mechanics of the government that will control them. He also anticipates that with the transition to a scientific society, the value of such influences as poetry and literature must be affected.

Of course Mr. Russell does not make these predictions unreservedly. Only in the case that scientific technique gains complete unhindered rule, will these possibly come true.

As an interesting sidelight to the book, he takes up arms with the British scientist Eddington, admitting that his respect for Eddington prevents him from branding some of Eddington's statements as untrue, and, refuting them with the rather biting sarcasm that characterizes many of his statements throughout the book.

To sum up the book in Russell's own words: "One hundred and fifty years of science have proved more explosive than five thousand years of pre-scientific culture. It is absurd to suppose that the explosive power of science is exhausted, or has even reached its maximum. . . . What is important at the present time is that the influence of science upon our thoughts is continually increasing, and is likely to increase for several centuries, at least. . . ."

I think that a book like this needs no written recommendation. The name of the author, Bertrand Russell, and the title of the book itself, are a promise; the text of the book is a fine fulfillment. . . .
H. S. M.

DR. SIBLEY SPEAKS ON CARE OF HEART

In accordance with the Institute policy of closely supervising the health of its students, a talk on the heart was given Friday evening by Dr. Benjamin E. Sibley, assistant to the Medical Director. Written invitations were sent out to those men who were on record as having some heart abnormality, and a group of about thirty filled the lecture room in the examination department of the Homberg Infirmary.

Dr. Sibley began by stressing the value of yearly examinations. He then went on to describe the mechanics of the heart, with illustrations, and discussed the various forms of heart trouble, their causes and treatment. It was impressed upon the audience that one quarter of all deaths in Massachusetts were caused by heart disease, but that many of these deaths could have been avoided by care of the heart in youth.

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As We See The Movies

Loew's State — "Tonight or Never"

Given a beautiful, temperamental prima donna whose principal fault is that she pursues her profession too coldly and intellectually. Let her discover that she can never become great until she allows emotion, love, to enter her life; and, simultaneously, let a young, handsome impresario from the Metropolitan Opera Company appear — incognito — on the trail of her concert tour through the musical centers of Europe.

Believing him to be merely a gigolo in the service of a marchesa, a notorious beauty in her day, let her be moved by loneliness and heartache to go by night to his hotel in Budapest; where subsequent events disclose to the two their mutual love, and to the prima donna the true profession and name of her admirer. Let her immediately become such a success as a singer as to gain the praise of even her butler, the stiffly obsequious Conrad.

There you have not much of a plot, but an opportunity for a highly amusing comedy when acted by a cast which shows excellence from start to finish. Miss Swanson is truly at her best in this picture. She is supported by Melvin Douglas, playing the part of the American impresario with suave dignity; Ferdinand Gottschalk, the teacher, affectionately called the "friendly dog"; Miss Alison Skipworth as the dryly humorous marchesa; Warburton Gamble as his stuffy Excellency, the Count von Gronac.

A behind-the-German-lines farce, starring Zasu Pitts, from Joplin, Missouri, completes the highly amusing bill.

R. J. D.

R.K.O.-Keith's — "Girl of the Rio"

Pistols, kisses, and dice are thrown together in a glamorous *olla podrida* of entertainment Mexicana, "Girl of the Rio." Dolores Del Rio rolls her Spanish eyes over the silver screen in this picture after a two-year absence from the screen.

The show is just what you would expect after reading the title. Miss Del Rio is about to be seduced by the villainous Don Jose Tostado. At the critical moment, our young American hero, Johnny Powell, evidently having made use of a magic carpet or Tom Mix's horse to come many miles from the United States border, bursts through the door and frees his sweetheart from the caballero's clutches by thrusting a revolver into the unfortunate Mexican's belly.

As if that were not enough buffoonery, the scenario continues with the thwarted signor offering drinks to his two guests. Powell stands conveniently still while Don Jose throws a glass of liquor into his eyes. Tostado yells for his soldiers, and a detachment of a Mexican army, apparently detailed for his personal use, appears. Johnny is led out, sentenced to be shot. Dolores now does an efficient sobbing scene. Taking advantage of his transcendent egotism, the girl persuades Don Jose to substantiate his claim of being "the best caballero in all Mexico," by freeing her lover. The Don succumbs to this not so subtle flattery, and changes the death sentence to an invitation to breakfast. The loving couple refuse his hospitality, however, and Tostado tells them to take his car — he has plenty others — and get married. They do.



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INSURANCE
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Novel Issue of Voo Doo Written by New Group Is Out Today

Several Humorous Articles Of Length Supplant Usual Type Of Brevities

Thoroughly and completely hidden behind a barrage of supposedly high-pressure advertisements, the January issue of *Voo Doo* sneaks onto the stands today. To a majority of the Institute the interrogatory ads which have littered the billboards of Technology for the last week mean nothing. To the wide-awake few they mean that the comic magazine was edited and published by some group other than the *Voo Doo* Board.

Congratulations are in order for the Board for accepting the challenge of the group and to the group itself for the really admirable job they have made of it. For this month at least, and it is to be hoped that the changes will be continued and made Phos' regular policy. *Voo Doo* has gotten away from the deadly monotony of average humor which characterizes far too great a proportion of the collegiate humor papers of the country.

Faculty Contribution

Leading off the issue, the reader finds a lengthy, somewhat incoherent (after the latest approved fashion of the *New Yorker*) article on "These Racketeering Professors," by Professor William C. Greene, Jr. Following Mr. Greene, there are a number of clever pieces, all signed by their respective authors and all attempting to follow the lead of the *New Yorker* in style.

Numerous contributions by men, mostly architects, who have never had work appear in *Voo Doo* before, bring the value of the art work included to the rank of past issues if not higher. The cover is of a conventionalized style much used by artists, but rarely, if ever, associated with college magazines. Unfortunately, some of the drawings cannot be immediately identified with the artist as they are not signed with recognizable initials.

In spots, there is room for criticism, but all in all, the January *Voo Doo* is so far superior to anything this reporter has ever seen from the offices of the Woop Garoo Society that praise is all it deserves. We may only hope that further issues will live up to today's.

National Professional Squash Racquets Champion



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